FIG. 1
PRIOR ART

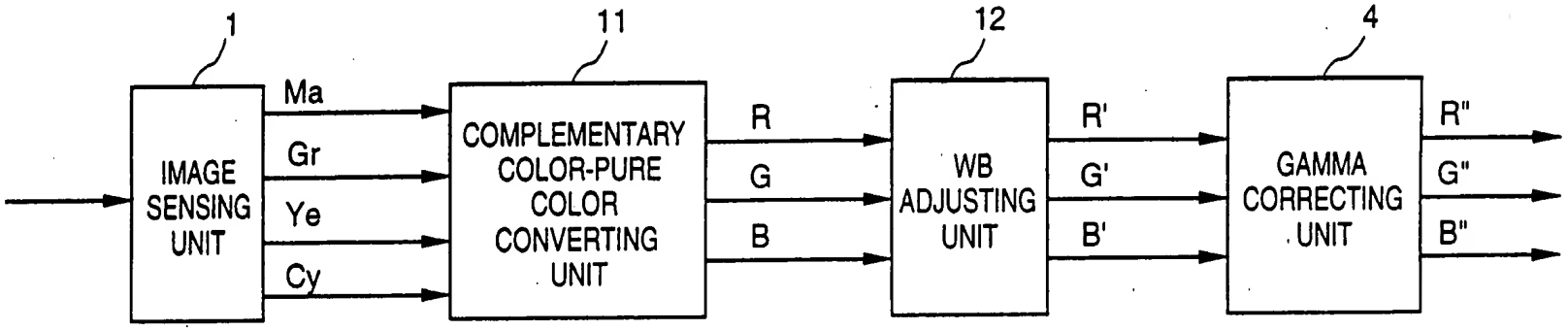


FIG. 2
PRIOR ART

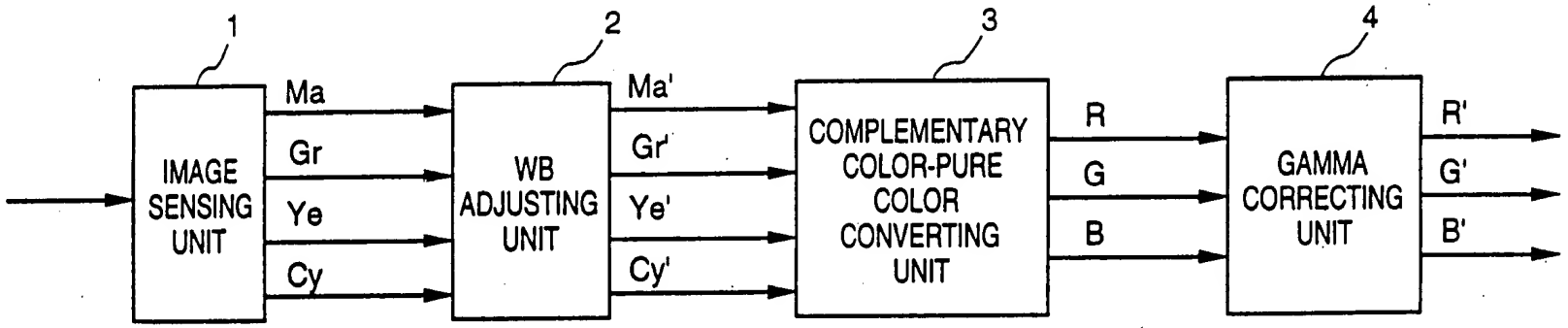
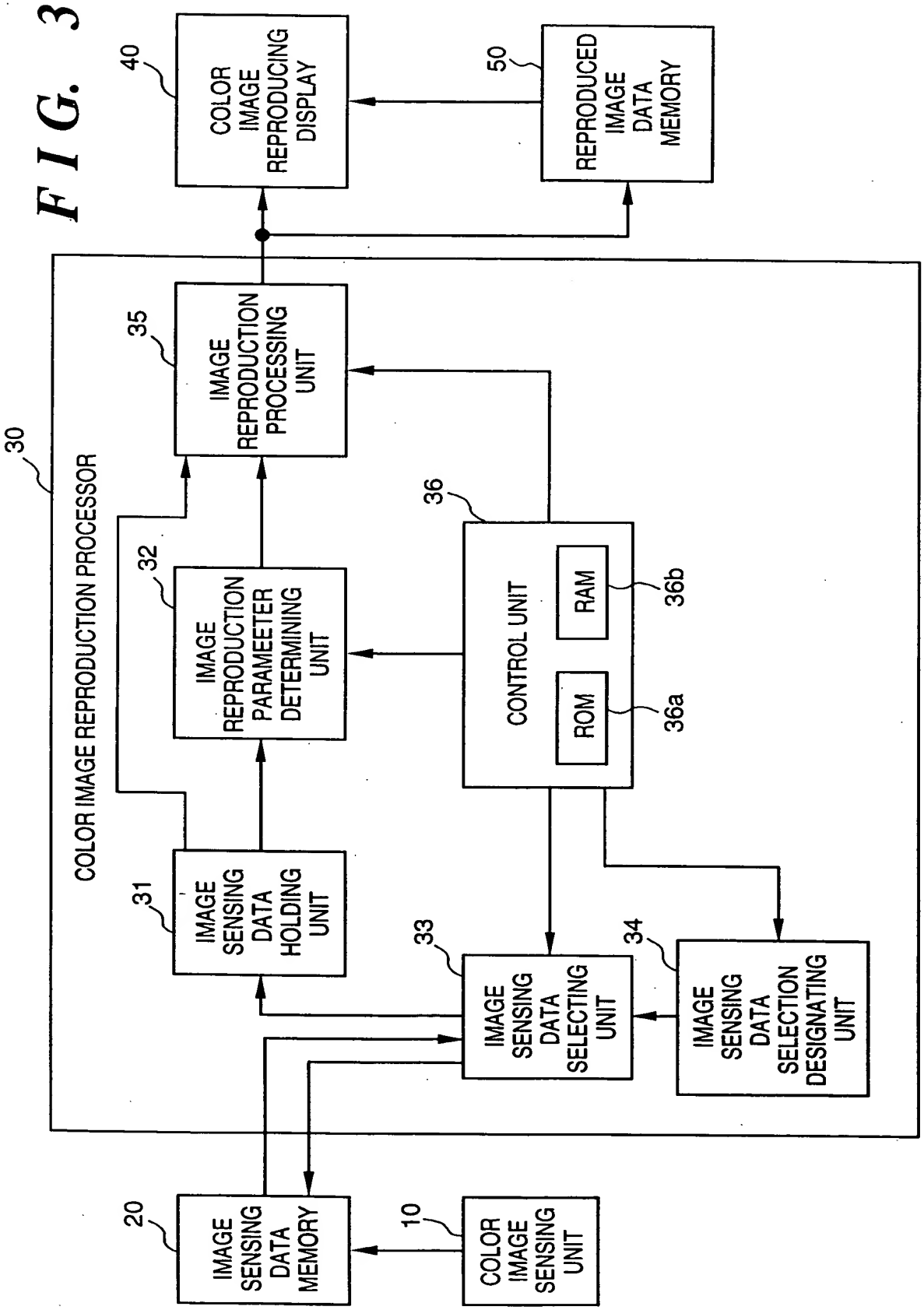
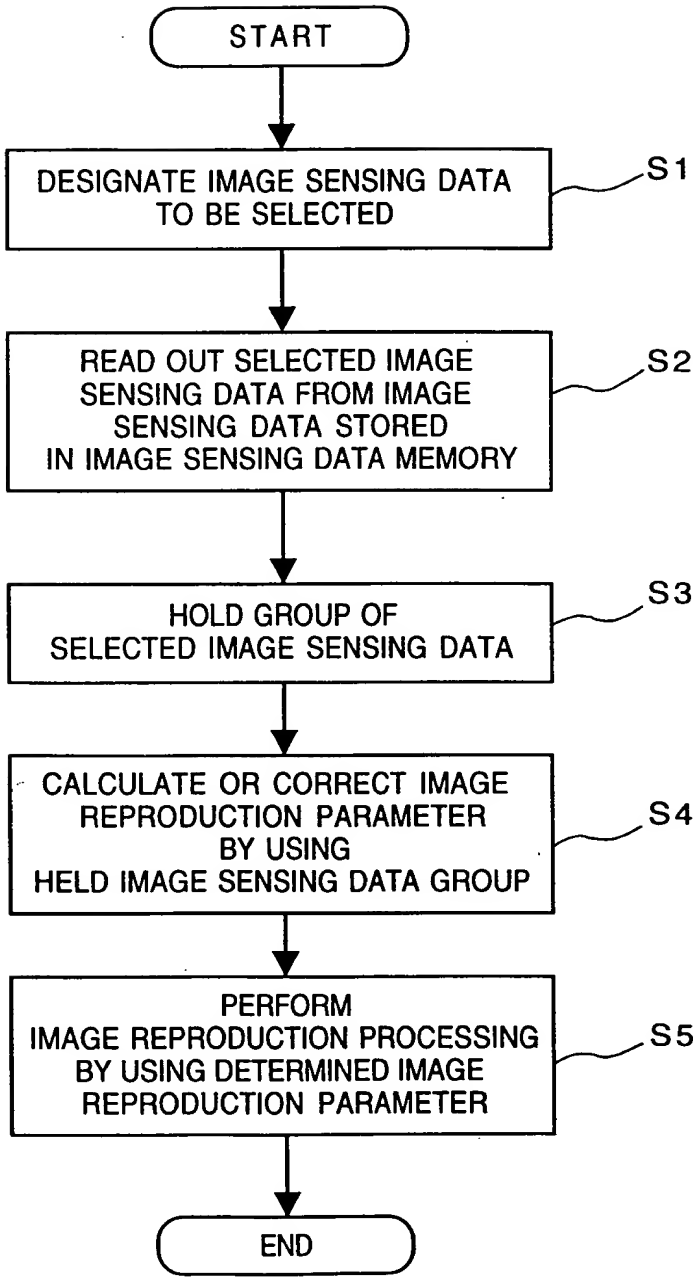


FIG. 3



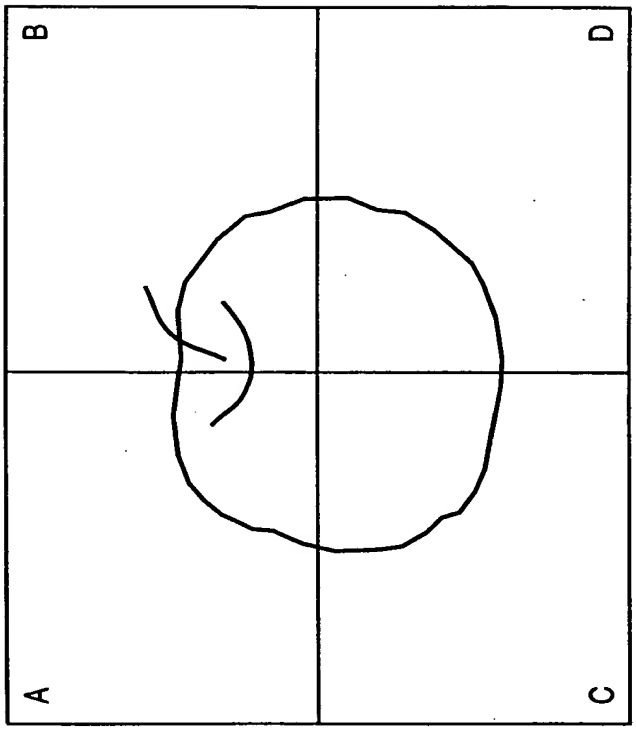
00/30"STE/5960

FIG. 4



09/20/05, EAST Version: 2.0.1.4

FIG. 5



09/201,515 12/2/98

FIG. 6

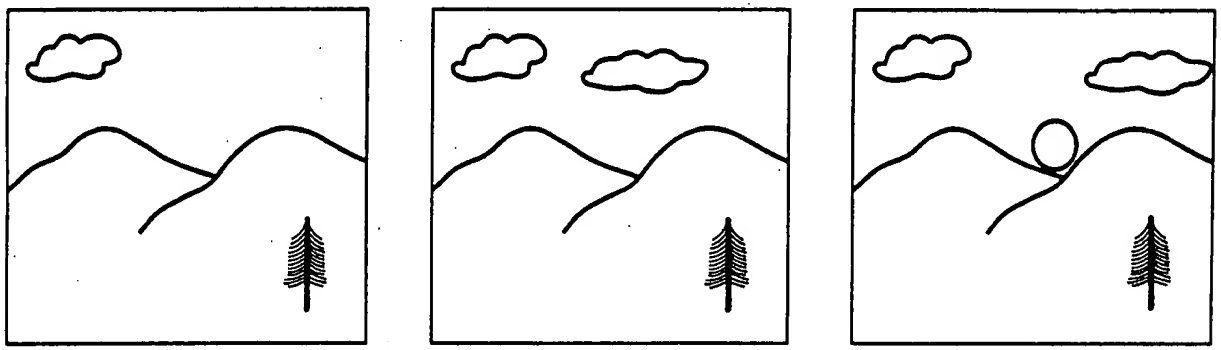


FIG. 7

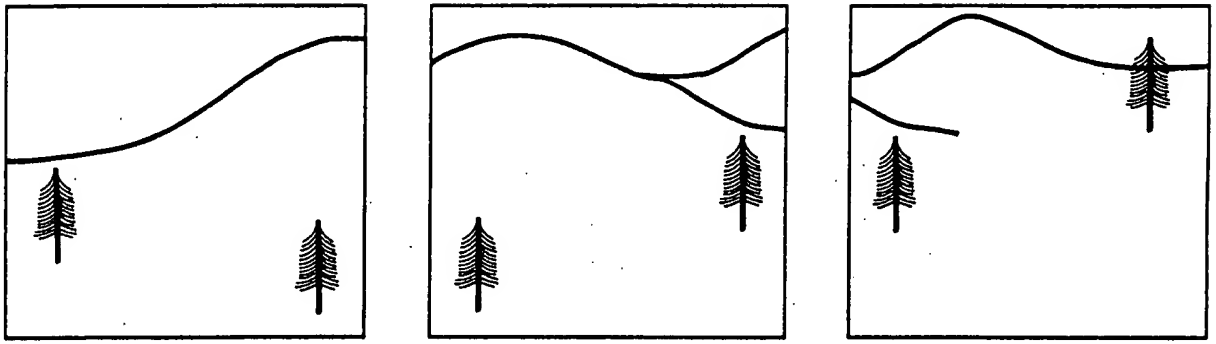


FIG. 8

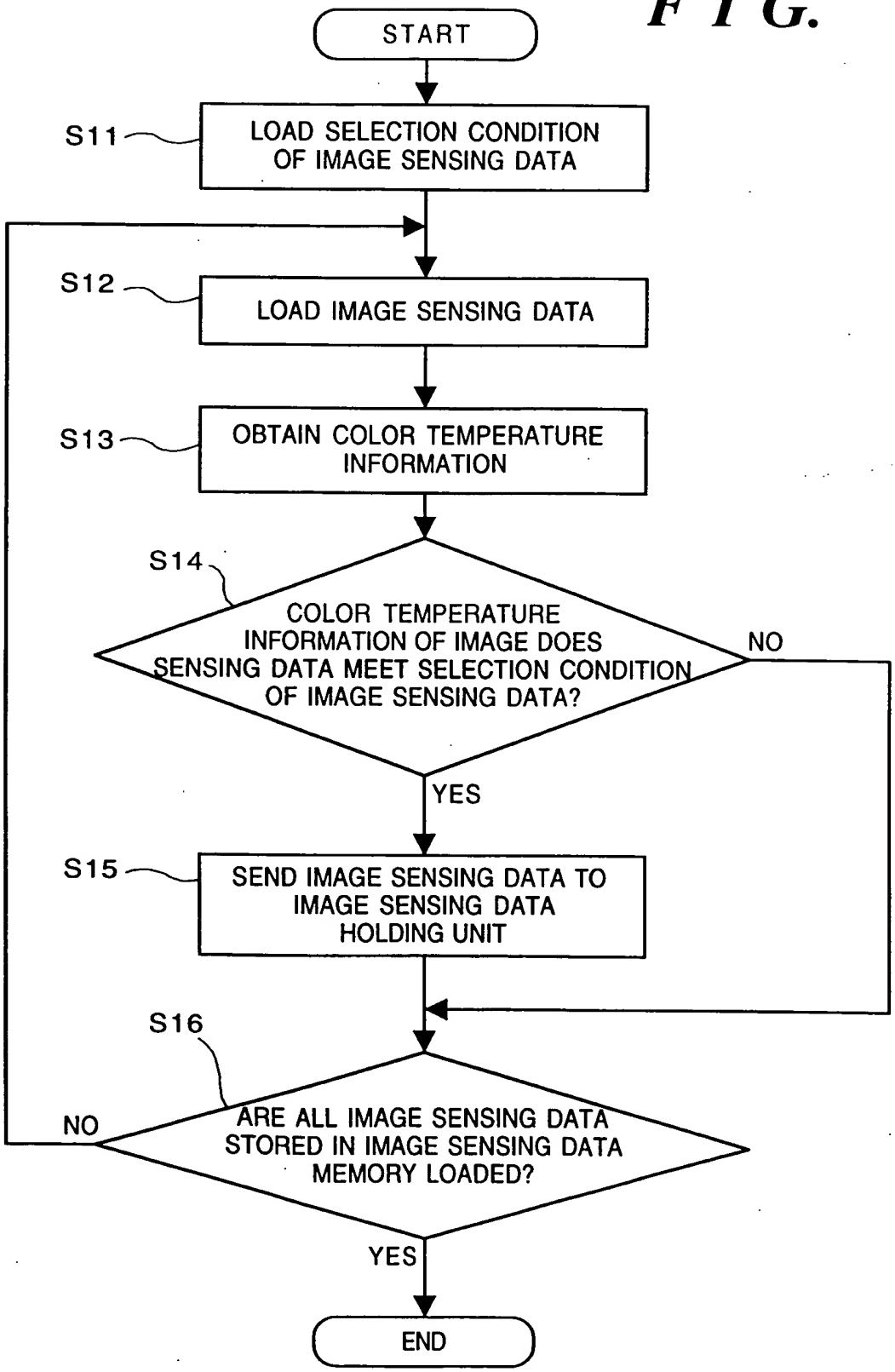

START
S11
LOAD SELECTION CONDITION OF IMAGE SENSING DATA
S12
LOAD IMAGE SENSING DATA
S13
OBTAIN COLOR TEMPERATURE INFORMATION
S14
COLOR TEMPERATURE INFORMATION OF IMAGE SENSING DATA MEET SELECTION CONDITION OF IMAGE SENSING DATA?
NO
YES
S15
SEND IMAGE SENSING DATA TO IMAGE SENSING DATA HOLDING UNIT
S16
ARE ALL IMAGE SENSING DATA STORED IN IMAGE SENSING DATA MEMORY LOADED?
NO
YES
END

FIG. 9

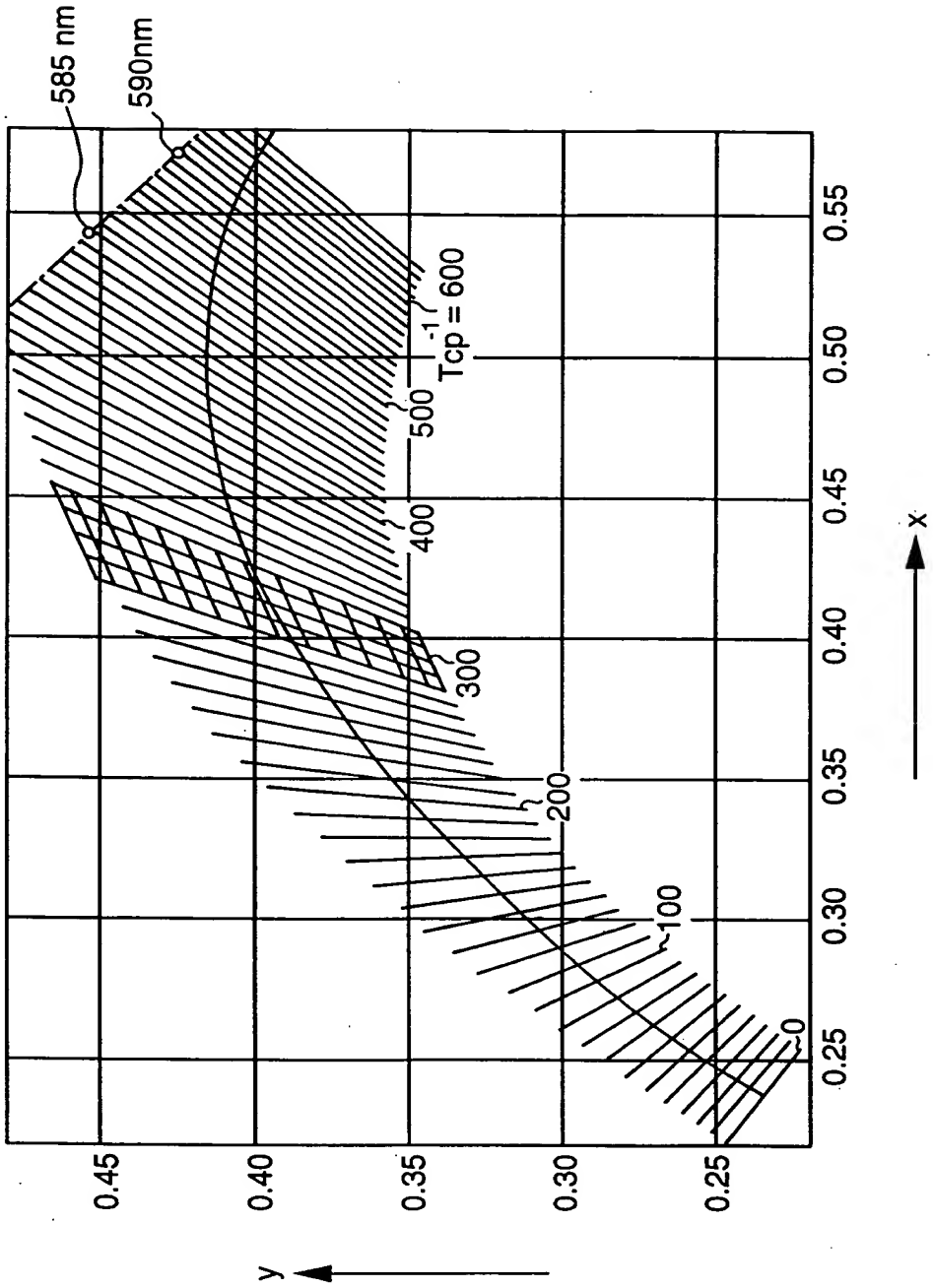

585 nm
590nm
Tcp = 600
500
400
300
200
100
0
0.45
0.40
0.35
0.30
0.25
0.25
0.30
0.35
0.40
0.45
0.50
0.55
y
x

FIG. 10

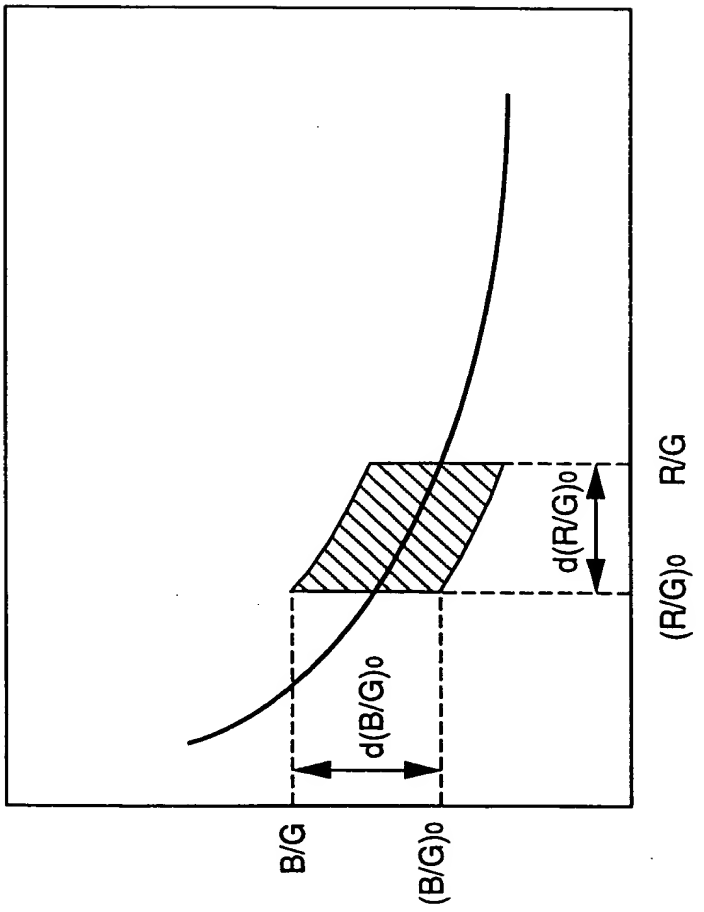


FIG. 11

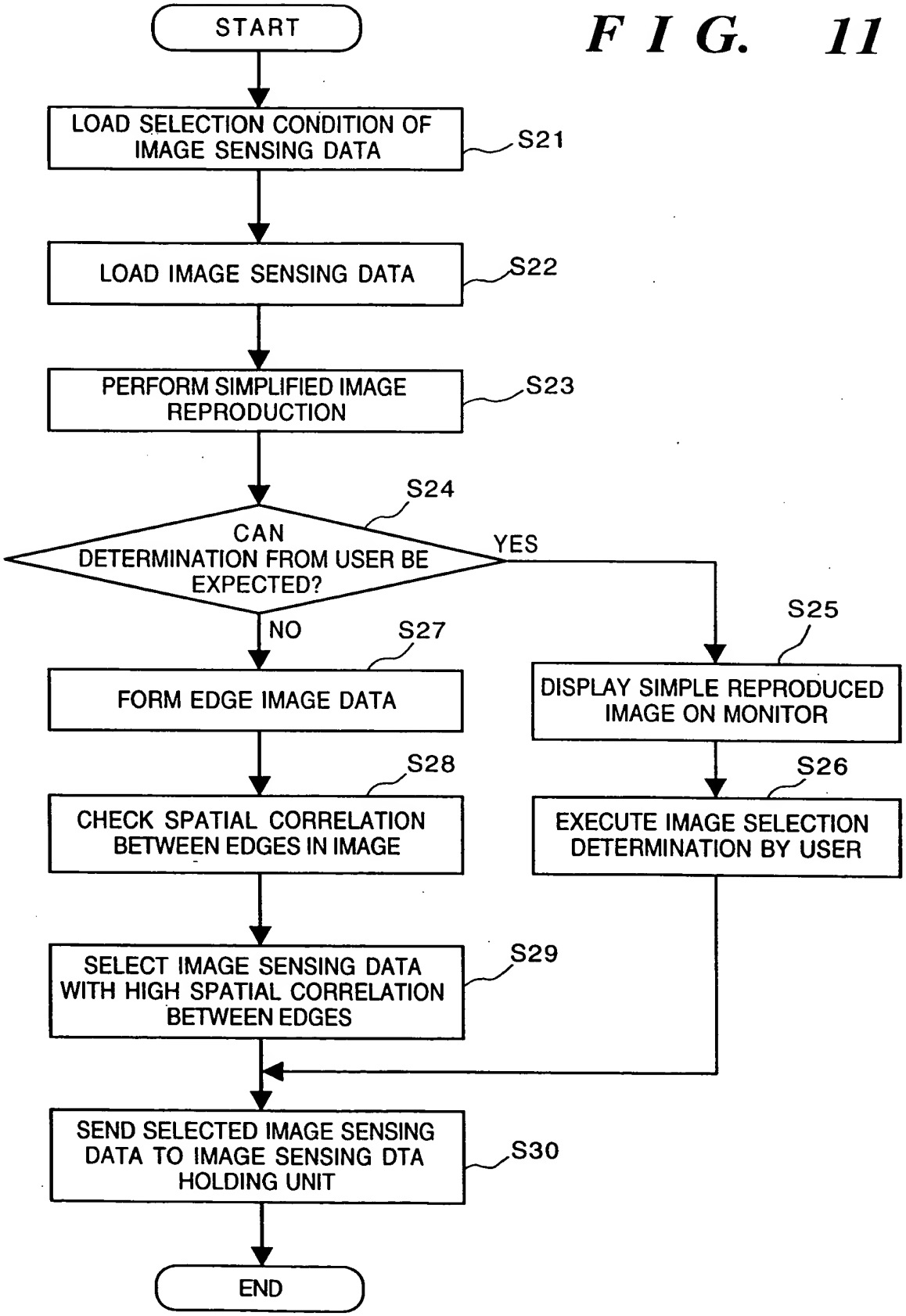

START
LOAD SELECTION CONDITION OF IMAGE SENSING DATA
S21
LOAD IMAGE SENSING DATA
S22
PERFORM SIMPLIFIED IMAGE REPRODUCTION
S23
S24
CAN DETERMINATION FROM USER BE EXPECTED?
YES
NO
S25
DISPLAY SIMPLE REPRODUCED IMAGE ON MONITOR
S26
EXECUTE IMAGE SELECTION DETERMINATION BY USER
S27
FORM EDGE IMAGE DATA
S28
CHECK SPATIAL CORRELATION BETWEEN EDGES IN IMAGE
S29
SELECT IMAGE SENSING DATA WITH HIGH SPATIAL CORRELATION BETWEEN EDGES
SEND SELECTED IMAGE SENSING DATA TO IMAGE SENSING DTA HOLDING UNIT
S30
END

FIG. 12

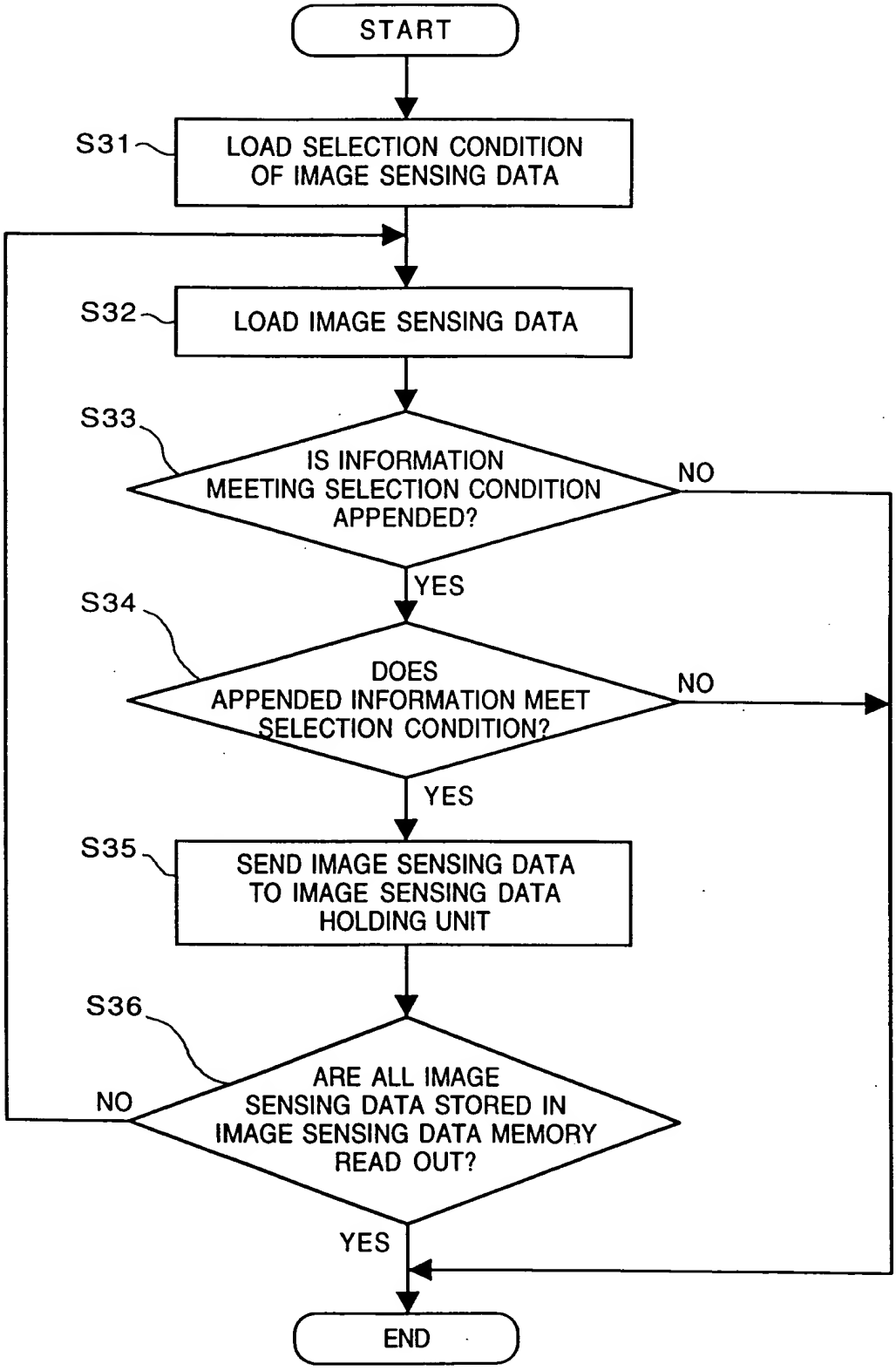

START
S31
LOAD SELECTION CONDITION OF IMAGE SENSING DATA
S32
LOAD IMAGE SENSING DATA
S33
IS INFORMATION MEETING SELECTION CONDITION APPENDED?
NO
YES
S34
DOES APPENDED INFORMATION MEET SELECTION CONDITION?
NO
YES
S35
SEND IMAGE SENSING DATA TO IMAGE SENSING DATA HOLDING UNIT
S36
ARE ALL IMAGE SENSING DATA STORED IN IMAGE SENSING DATA MEMORY READ OUT?
NO
YES
END

FIG. 13

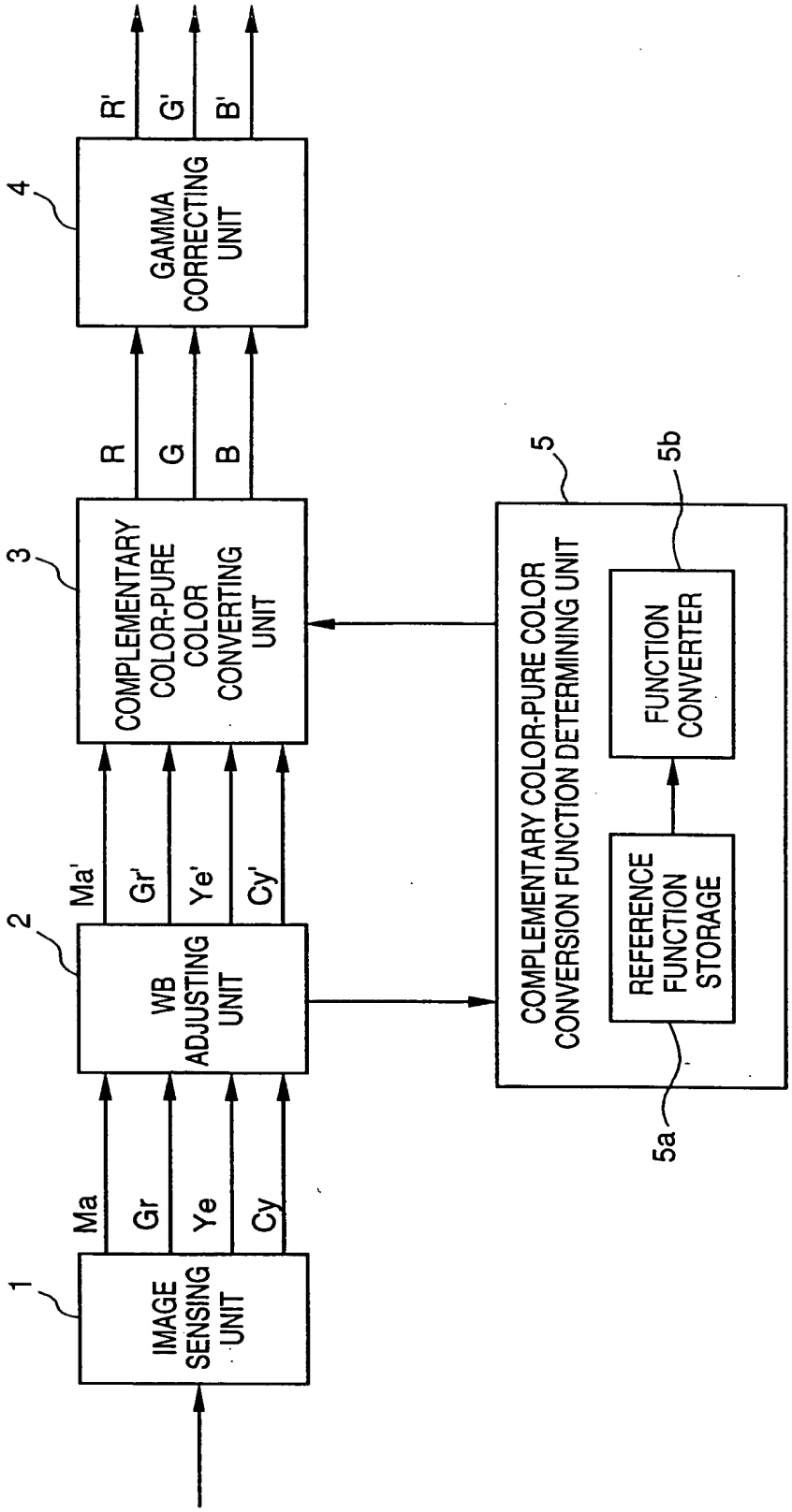

1
IMAGE SENSING UNIT
Ma
Gr
Ye
Cy
2
WB ADJUSTING UNIT
Ma'
Gr'
Ye'
Cy'
3
COMPLEMENTARY COLOR-PURE COLOR CONVERTING UNIT
R
G
B
4
GAMMA CORRECTING UNIT
R'
G'
B'
5
COMPLEMENTARY COLOR-PURE COLOR CONVERSION FUNCTION DETERMINING UNIT
5a
REFERENCE FUNCTION STORAGE
5b
FUNCTION CONVERTER

FIG. 14

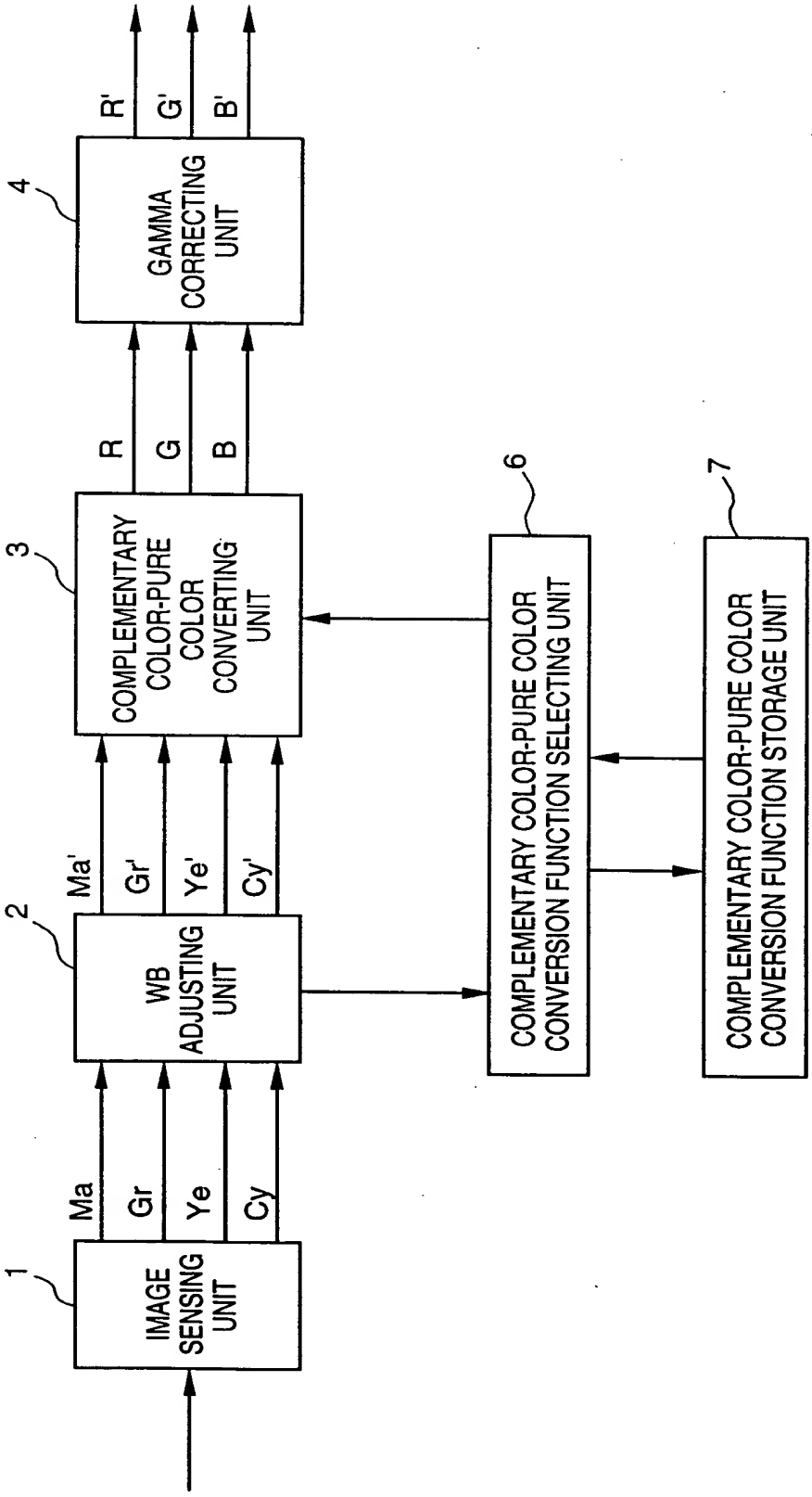
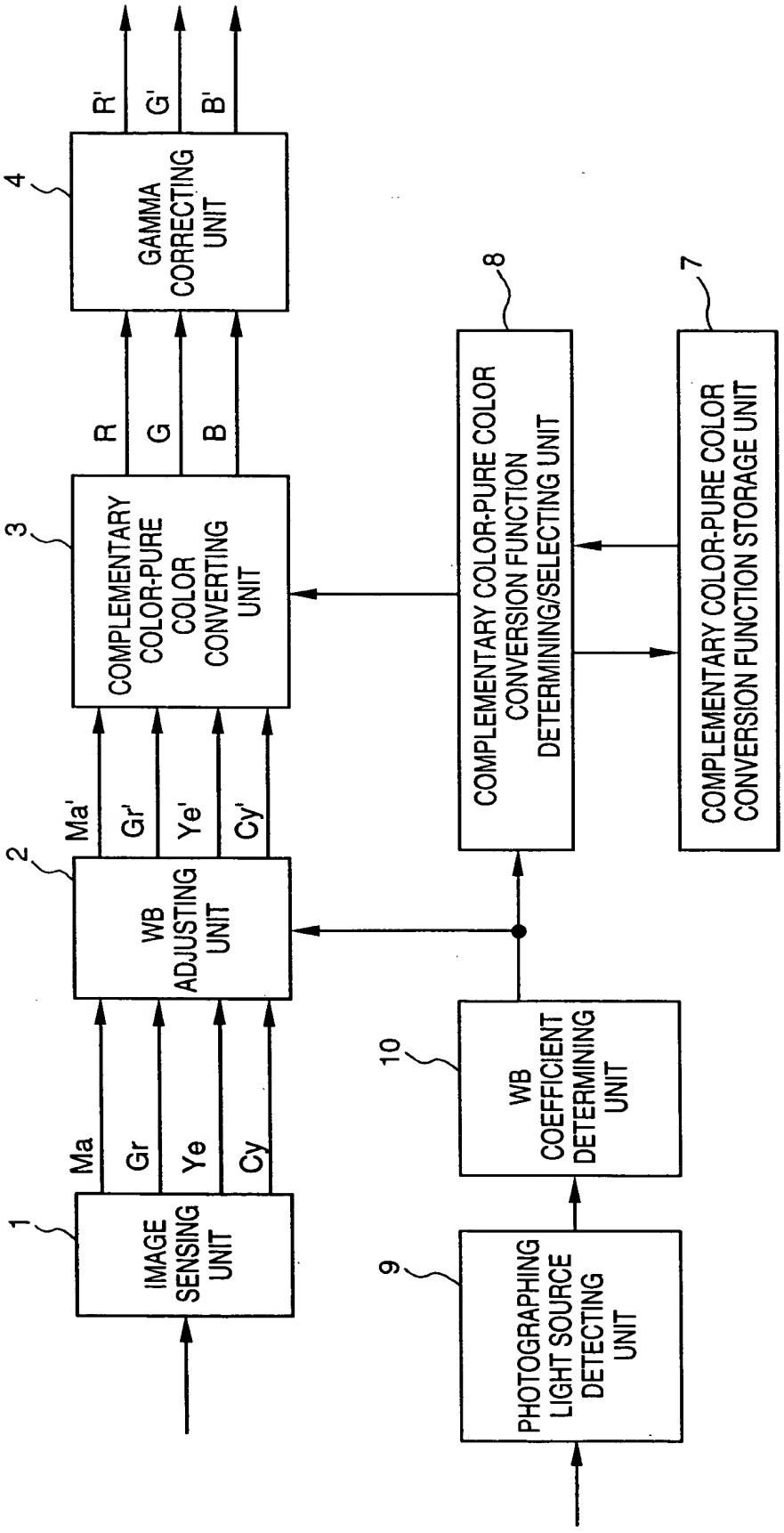

1
IMAGE SENSING UNIT
Ma
Gr
Ye
Cy
2
WB ADJUSTING UNIT
Ma'
Gr'
Ye'
Cy'
3
COMPLEMENTARY COLOR-PURE COLOR CONVERTING UNIT
R
G
B
4
GAMMA CORRECTING UNIT
R'
G'
B'
6
COMPLEMENTARY COLOR-PURE COLOR CONVERSION FUNCTION SELECTING UNIT
7
COMPLEMENTARY COLOR-PURE COLOR CONVERSION FUNCTION STORAGE UNIT

FIG. 15


1
IMAGE SENSING UNIT
Ma
Gr
Ye
Cy
2
WB ADJUSTING UNIT
Ma'
Gr'
Ye'
Cy'
3
COMPLEMENTARY COLOR-PURE COLOR CONVERTING UNIT
R
G
B
4
GAMMA CORRECTING UNIT
R'
G'
B'
7
COMPLEMENTARY COLOR-PURE COLOR CONVERSION FUNCTION STORAGE UNIT
8
COMPLEMENTARY COLOR-PURE COLOR CONVERSION FUNCTION DETERMINING/SELECTING UNIT
9
PHOTOGRAPHING LIGHT SOURCE DETECTING UNIT
10
WB COEFFICIENT DETERMINING UNIT

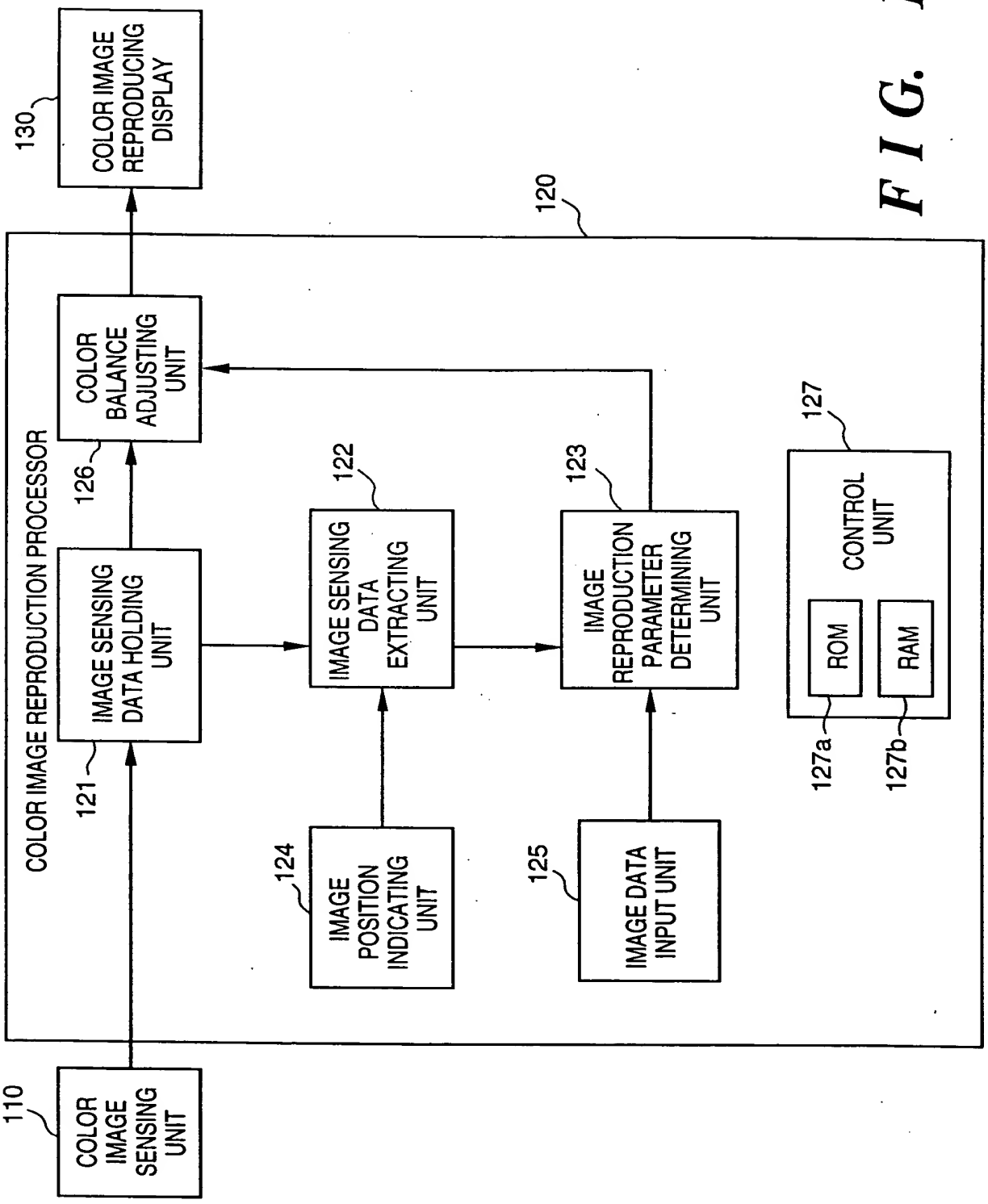
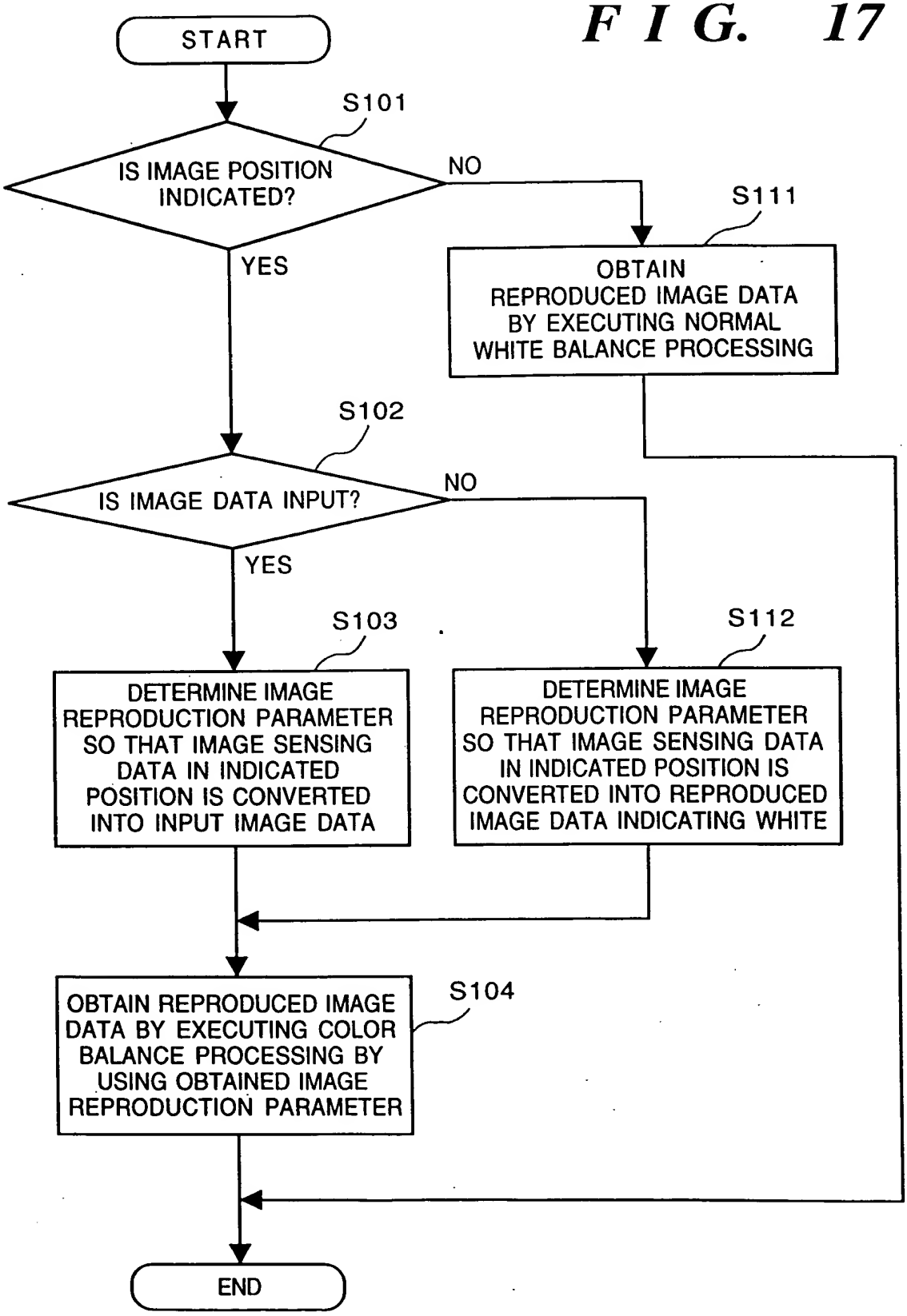

130
COLOR IMAGE REPRODUCING DISPLAY
120
COLOR IMAGE REPRODUCTION PROCESSOR
COLOR BALANCE ADJUSTING UNIT
126
IMAGE SENSING DATA HOLDING UNIT
121
122
IMAGE SENSING DATA EXTRACTING UNIT
123
IMAGE REPRODUCTION PARAMETER DETERMINING UNIT
127
CONTROL UNIT
ROM
RAM
127a
127b
124
IMAGE POSITION INDICATING UNIT
125
IMAGE DATA INPUT UNIT
110
COLOR IMAGE SENSING UNIT

FIG. 16

FIG. 17



0097-5-15-5-00